

Group C, Energy Problems (1 of 2)

- **Water Quantity and Quality Concerns**
 - **Activities**
 - Electric Power Generation
 - Extraction
 - Fuel production
 - Back-up for Renewables and Recycled Water Users
 - **Specific Results**
 - Salinity
 - Temperature
 - Chemical Composition (organic and inorganic)
 - Quantity Constraints

Group C, Energy Problems (2 of 2)

- **Competing Uses of Water**
 - Water Flowing to the Highest Dollar
- **Water Pricing is Independent of any Intrinsic Value**
 - Water is Unevenly Subsidized
 - Who Owns the Water
- **Lack of Coordination and Planning**
 - Lack of Infrastructure Where There is Demand
 - Produced Water (in relation to extraction industry) is not Included in Water Resource Allocations
 - Don't Have Modern Conveyance Systems to Transport Water
 - Don't Have Legal Structure

Group C, Water Problems (1 of 2)

- **Growing Reliance on Ground Water**
 - **Supply**
 - **Shrinking Supply**
 - **Uncertain Quantity**
 - **Lack of Regulation Enforcement and Control**
 - **Link to Surface Water?**
 - **Paving Over Recharge Areas**
- **Water Pricing is Independent of any Intrinsic Value**
 - **No incentive for Conservation**
 - **Agricultural Use Water is Subsidized**

Group C, Water Problems (2 of 2)

- **Inadequate Infrastructure (all scales)**
 - Aging
 - Leaking Municipal System
 - Increased Demand for Water Generates Demand for Improvements
- **Climate Change Impacting Water Availability Timing**
- **Source and Receiving Water Protection from Point and Non-Point Source Pollution**